



Ecology Major Worksheet
(Students Entering Fall 2021 and following)

For the Major:

- ___ At least 1 Earth Science courses (3-4 cr)
- ___ At least 3 Life Sciences courses (9-12 cr)
- ___ At least 3 Ecosystems courses (10-13 cr)
- including: ___ NS235 Natural History of the North Woods (4 cr)
- ___ At least 4 Intersection of Natural and Social Systems courses (12-13 cr)
- including: ___ NS402 Conservation Biology (3 cr)
- ___ A minimum of 6 cr in Human Expression and the Natural World courses (6-9 cr)

Capstone: Senior Year Research Project (SYRP):

- ___ INT422: SYRP I (3-6 credits)
- ___ INT423: SYRP II (3-6 credits)
- At Least 46 Total Major Credits**

Graduation Requirements

- ___ INT100A Sense of Place: Expedition I
- ___ NS107A Foundations of Ecology
- ___ 2 Additional Foundations Courses
- ___ 1 additional 400-level seminar course
- ___ 120 total credits (minimum)
- ___ Math Competency (NS050 or waiver)
- ___ Final Q.P.A. of at least 2.0
- ___ Successful Completion of Work Program
- ___ 6 Credits in Humanities
- ___ 6 Credits in Natural Science
- ___ 6 Credits in Social Science
- Coursework Designated as Writing-Intensive
- ___ 1 200/300-level Writing-Intensive (WI) course
- ___ 1 300/400-level Writing-Intensive (WI) course

Major Specific Courses

ECOLOGICAL FLUENCY AND METHODS

Earth Sciences

Take at least 1 of the following courses:

- ___ NS260 Geology (4 cr)
- ___ NS272 Introduction to Climate Science (3 cr)
- ___ NS307 Soil Science (4 cr) [prereq: NS107A; NS254]

Life Sciences

Take at least 3 of the following courses:

- ___ NS254 Biology (4 cr)
- ___ NS312 Field Ornithology (3 cr) [prereq: NS107A]
- ___ NS314 Field Botany of Flowering Plants (3 cr) [prereq: NS107A]
- ___ NS328 Vertebrate Natural History (4 cr) [prereq: NS107A]
- ___ NS346 Plant Science (4 cr) [prereq: NS107A; NS254]
- ___ NS380A Botany of Cryptogams: Mosses and Ferns (3 cr) [prereq: NS107A]
- ___ NS380A Fungal Ecology (4 cr) [prereq: NS107A; NS254]

Ecosystems

Take:

- ___ NS235 Natural History of the North Woods (4 cr)

Plus at least 2 of the following courses:

- ___ NS204 Natural History of the Southwest (4 cr) *Field* [NS107A; HM107 or other WI Foundations course; INT100A]
- ___ NS301 Field Ecology (4 cr) [prereq: NS107A]
- ___ NS305 Wetland Ecology (3 cr) [prereq: NS107A]
- ___ NS342 Alpine Ecology and Geomorphology (3 cr) *Field* [prereq: NS107A]
- ___ NS360 Winter Ecology (3 cr) [prereq: NS107]
- ___ NS380 Fungal Ecology (4 cr) [prereq: NS107A; NS254]
- ___ NS381F Biogeography of the Southwest (4 cr) [prereq: NS107A; NS235] *Field*
- ___ NS/SS364 Research in Tropical Ecosystems: Bahamas (4 cr) *Field* [prereq: NS107A]
- ___ NS/SS363 Research in Tropical Ecosystems: Belize (4 cr) *Field* [prereq: NS107A]

ECOLOGICAL INTERSECTIONS AND APPLICATIONS

Intersection of Natural and Social Systems

Take:

- ___ NS402 Conservation Biology (3 cr) WI [prereq: NS107A and Junior/Senior Status]
- Plus a further 3 of the following courses:
 - ___ AS120 Forestry Techniques (2 cr)
 - ___ NS200 Watershed Ecosystem Analysis (3 cr) [prereq: NS107A]
 - ___ SS202 Environmental Policy & Law (3 cr) WI [prereq: NS107A, Foundations course]
 - ___ NS225 Wildlife Conservation and Management (3 cr) [prereq: NS107A]
 - ___ NS240 Forestry (3 cr) [prereq: NS107A]
 - ___ NS472 Environmental Justice Beyond Borders (3 cr) [pre-req Junior/Senior status]
 - ___ SS210 Economics and the Environment (3 cr)
 - ___ SS208 Introduction to GIS (3 cr)
 - ___ SS310 Land Use History & Planning (3 cr) [prereq: SS202]
 - ___ SS309 Advanced GIS (3 cr)
 - ___ INT381 Hudson River Watershed: Nature and Culture of a Changing Landscape (4 cr) *Field*
 - ___ INT415 Agroecology (3 cr) [pre-req: NS107A; Junior/Senior status]

Human Expression and the Natural World

Take 2 of the following courses:

- ___ AS195A Intro to Green Woodworking (2 cr)
- ___ HM125 Introduction to Woodworking (3 cr)
- ___ HM215A Reverence for Wood: Studio (2 cr) [prereq: HM125A]
- ___ HM230 Introduction to Fiber Arts (3 cr)
- ___ HM233 Wildness & Wilderness (5 cr) [NS107A; HM107 or other WI Foundations course; INT100A] *Field*
- ___ HM271 Wheel-thrown Pottery (3 cr)
- ___ HM271G Natural Dyes and Dyeing (3 cr)
- ___ HM275 Black River Sketches (2-3 cr)
- ___ HM326 Nature Writing (3 cr) [prereq: HM107 or other WI Foundations course]
- ___ HM382 Nature, Culture, Consciousness (3 cr)
- ___ HM471B Performance Ecology (3 cr)
- ___ HM481 Global Environmental Literature (3 cr) [prereq: HM107 or other WI Foundations course; Junior/Senior status]
- ___ HM/SS245 Stories and Storytelling (3 cr) WI [prereq: HM107 or other WI Foundations course]
- ___ INT380 Ancestral Lifeways of the Southwest (4 cr) [NS107A; HM107 or other WI Foundations course; INT100A] *Field*

(or similar relevant courses pending instructional team approval)

Revised 8/25/2021